

UNITED STATES PATENT AND TRADEMARK OFFICE

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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

09/28/2004

EXAMINER

David H. Read

2565 Plymouth Road Ann Arbor, MI 48105 WOLFE JR, WILLIS RAY

ART UNIT

PAPER NUMBER

3747

DATE MAILED: 09/28/2004

1	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	J
•	10/666,678	09/19/2003	Charles L. Gray JR.	EPA 679-03	8243	

TITLE OF INVENTION: LOW EMISSION DIESEL COMBUSTION SYSTEM WITH LOW CHARGE-AIR OXYGEN CONCENTRATION LEVELS AND HIGH FUEL INJECTION PRESSURES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	12/28/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (703) 746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

indicated unless corrected be maintenance fee notification	below or directed otherwise	in Block 1, by (a)	specifying a new cor	respondence address	s; and/or (b) indicating a sepa	rate "FEE ADDRESS" for	
	E ADDRESS (Note: Use Block 1 for	any change of address)	į <u>1</u>	Note: A certificate o	f mailing can only be used fo his certificate cannot be used f	or domestic mailings of the	
25	00/20/2004			papers. Each addition	nal paper, such as an assignmente of mailing or transmission.	nt or formal drawing, must	
	90 09/28/2004		•				
David H. Read 2565 Plymouth Roa	a d		1	hereby certify that	ertificate of Mailing or Trans this Fee(s) Transmittal is being	mission g deposited with the United	
Ann Arbor, MI 481			9	States Postal Service	with sufficient postage for firs	st class mail in an envelope	
Ailli Atool, Wi 461	.03		, j	ransmitted to the US	with sufficient postage for first Stop ISSUE FEE address PTO (703) 746-4000, on the d	ate indicated below.	
						(Depositor's name)	
			1		<u>.</u>	(Signature)	
			Į			(Date)	
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10/666,678	09/19/2003		Charles L. Gray JR		EPA 679-03	8243	
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nonprovisional	NO	\$1330		\$300	\$1630	12/28/2004	
EXAM	IINER	ART UNIT	CL	ASS-SUBCLASS	ר		
WOLFE JR, V	WILLIS RAY	3747	I	123-278000			
1. Change of correspondence	e address or indication of "F	ee Address" (37	2. For printing on th	ne patent front page,	list		
CFR 1.363).			(1) the names of up	to 3 registered pate	ent attorneys 1		
Address form PTO/SB/12	lence address (or Change of 22) attached.	Correspondence	or agents OR, altern	•	2		
"Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Custon Number is required.			(2) the hane of a single first (having as a member a				
3. ASSIGNEE NAME AND							
PLEASE NOTE: Unless recordation as set forth in	an assignee is identified be 37 CFR 3.11. Completion	elow, no assignee date of this form is NOT	ata will appear on the a substitute for filing	e patent. If an assig an assignment.	gnee is identified below, the d	ocument has been filed for	
(A) NAME OF ASSIGNI			RESIDENCE: (CITY				
,			`		•		
Please check the appropriate	assignee category or category	ories (will not be prin	ted on the patent):	☐ Individual ☐ 6	Corporation or other private gro	oup entity Government	
4a. The following fee(s) are enclosed:			Payment of Fee(s):				
☐ Issue Fee			A check in the amount of the fee(s) is enclosed.				
☐ Publication Fee (No small entity discount permitted)			Payment by credit card. Form PTO-2038 is attached.				
Advance Order - # of Copies			The Director is hereby authorized by charge the required fee(s), or credit any overpayment, Deposit Account Number (enclose an extra copy of this form).				
5. Change in Entity Status	(from status indicated above			-			
	MALL ENTITY status. See		• •		ALL ENTITY status. See 37 C		
The Director of the USPTO NOTE: The Issue Fee and Pinterest as shown by the reco	is requested to apply the Iss ublication Fee (if required) ords of the United States Pat	ue Fee and Publication will not be accepted feet and Trademark C	on Fee (if any) or to r from anyone other the office.	e-apply any previou an the applicant; a re	sly paid issue fee to the applica gistered attorney or agent; or the	ation identified above. he assignee or other party in	
Authorized Signature				Date			
Typed or printed name			Registration No.				
This collection of information	on is required by 37 CED 1.2	11 The information	is required to obtain	or retain a henefit by	the public which is to file (and	d by the LISPTO to process	
an application. Confidentialistic submitting the completed apthis form and/or suggestions Box 1450, Alexandria, Virgi	in is required by 37 CFR 1.3 ity is governed by 35 U.S.C opplication form to the USPT of reducing this burden, slinia 22313-1450. DO NOT 1450	. 122 and 37 CFR 1. O. Time will vary dhould be sent to the CSEND FEES OR CC	14. This collection is epending upon the Chief Information Of DMPLETED FORMS	estimated to take 12 dividual case. Any ficer, U.S. Patent an S TO THIS ADDRE	the public which is to file (and 2 minutes to complete, includir comments on the amount of tid Trademark Office, U.S. Dep SS. SEND TO: Commissioner	me gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,	

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



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David H. Read		•	WOLFE JR, V	VILLIS RAY	
2565 Plymouth Roa Ann Arbor, MI 4810			ART UNIT	PAPER NUMBER	
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Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.



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David H. Read 2565 Plymouth Road			WOLFE JR, WILLIS RAY		
Ann Arbor, MI 481			ART UNIT	PAPER NUMBER	
,			3747		

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Notice of Fee Increase on October 1, 2004

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after October 1, 2004, then the amount due will be higher than that set forth in the "Notice of Allowance and Fee(s) Due" because some fees will increase effective October 1, 2004. See Revision of Patent Fees for Fiscal Year 2005; Final Rule, 69 Fed. Reg. 52604, 52606 (May 10, 2004).

The current fee schedule is accessible from WEB site (http://www.uspto.gov/main/howtofees.htm).

If the fee paid is the amount shown on the "Notice of Allowance and Fee(s) Due" but not the correct amount in view of the fee increase, a "Notice of Pay Balance of Issue Fee" will be mailed to applicant. In order to avoid processing delays associated with mailing of a "Notice of Pay Balance of Issue Fee," if the response to the Notice of Allowance is to be filed on or after October 1, 2004 (or mailed with a certificate of mailing on or after October 1, 2004), the issue fee paid should be the fee that is required at the time the fee is paid. See Manual of Patent Examining Procedure (MPEP), Section 1306 (Eighth Edition, Rev. 2, May 2004). If the issue fee was previously paid, and the response to the "Notice of Allowance and Fee(s) Due" includes a request to apply a previously-paid issue fee to the issue fee now due, then the difference between the issue fee amount at the time the response is filed and the previously-paid issue fee should be paid. See MPEP Section 1308.01.

Effective October 1, 2004, 37 CFR 1.18 is amended by revising paragraphs (a) through (c) to read as set forth below.

Section 1.18 Patent post allowance (including issue) fees.

(a) Issue fee for issuing each original or reissue patent, except a design or plant patent:

(b) Issue fee for issuing a design patent:

By a small entity (Sec. 1.27(a))......\$245.00

By other than a small entity......\$490.00

(c) Issue fee for issuing a plant patent:

By other than a small entity......\$660.00

Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.